

Fig. 1  
(Prior Art)

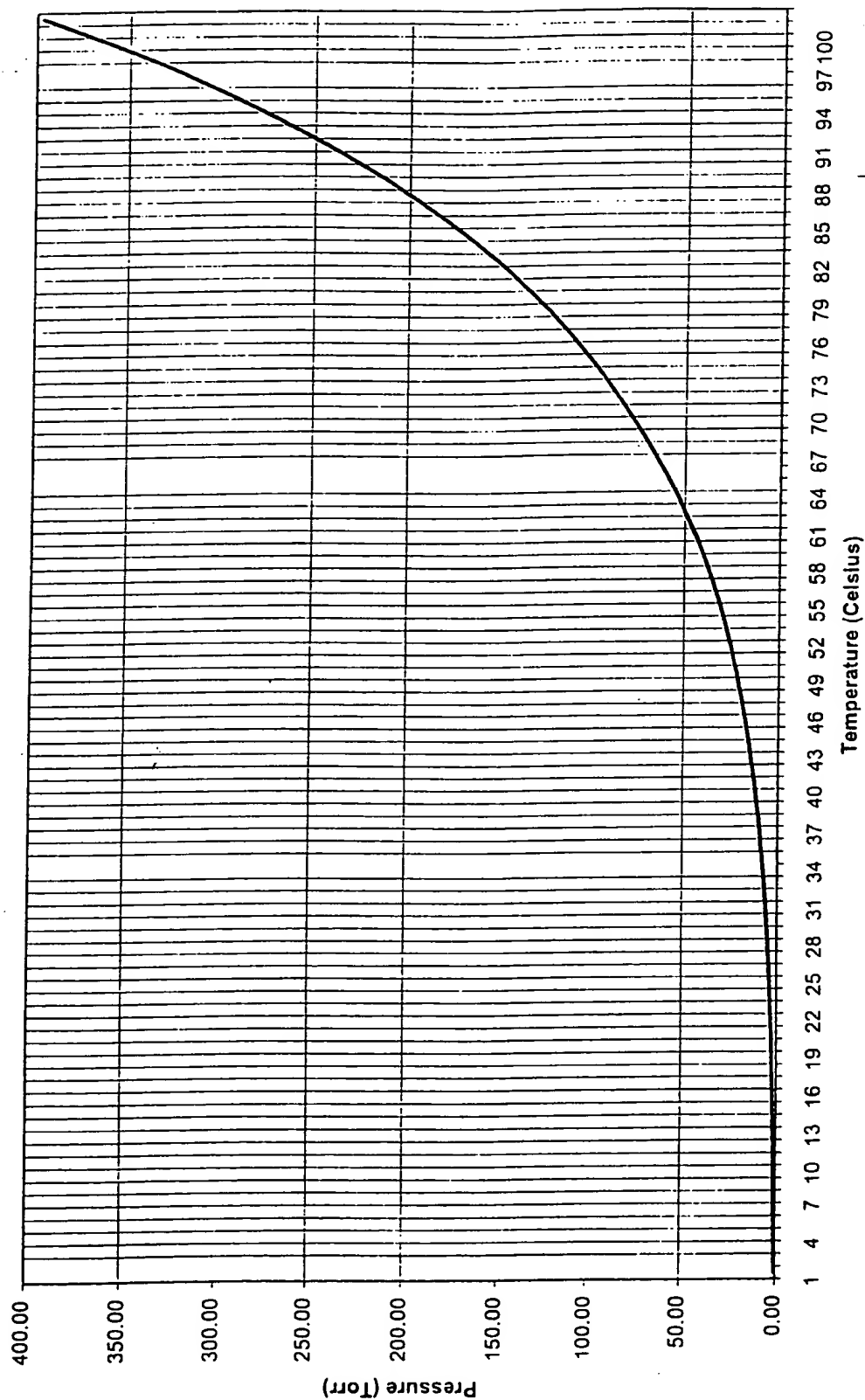


Fig. 2  
(Prior Art)

FIG. 3

variable volume  
expansion chamber

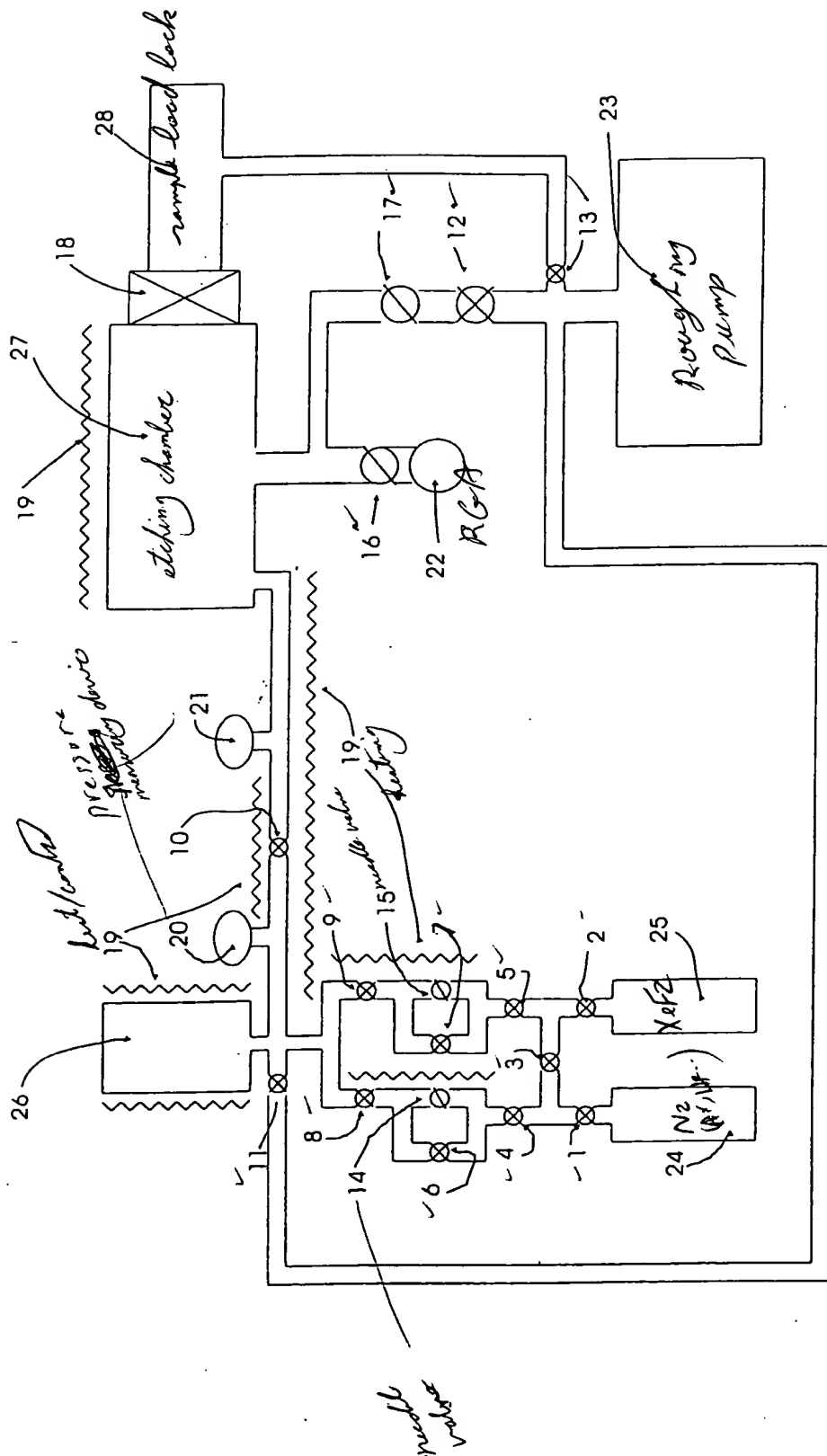


Fig. 3

1-9 valves

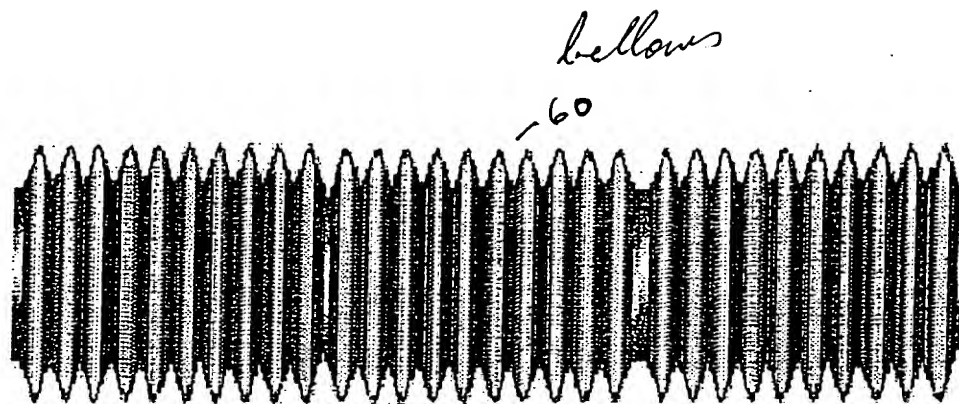


Fig. 4B

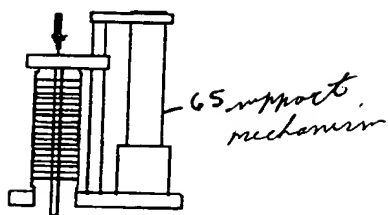


Fig. 4c

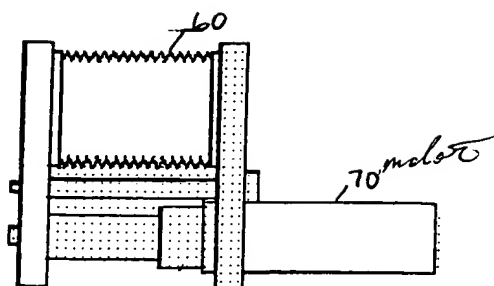


Fig. 4D

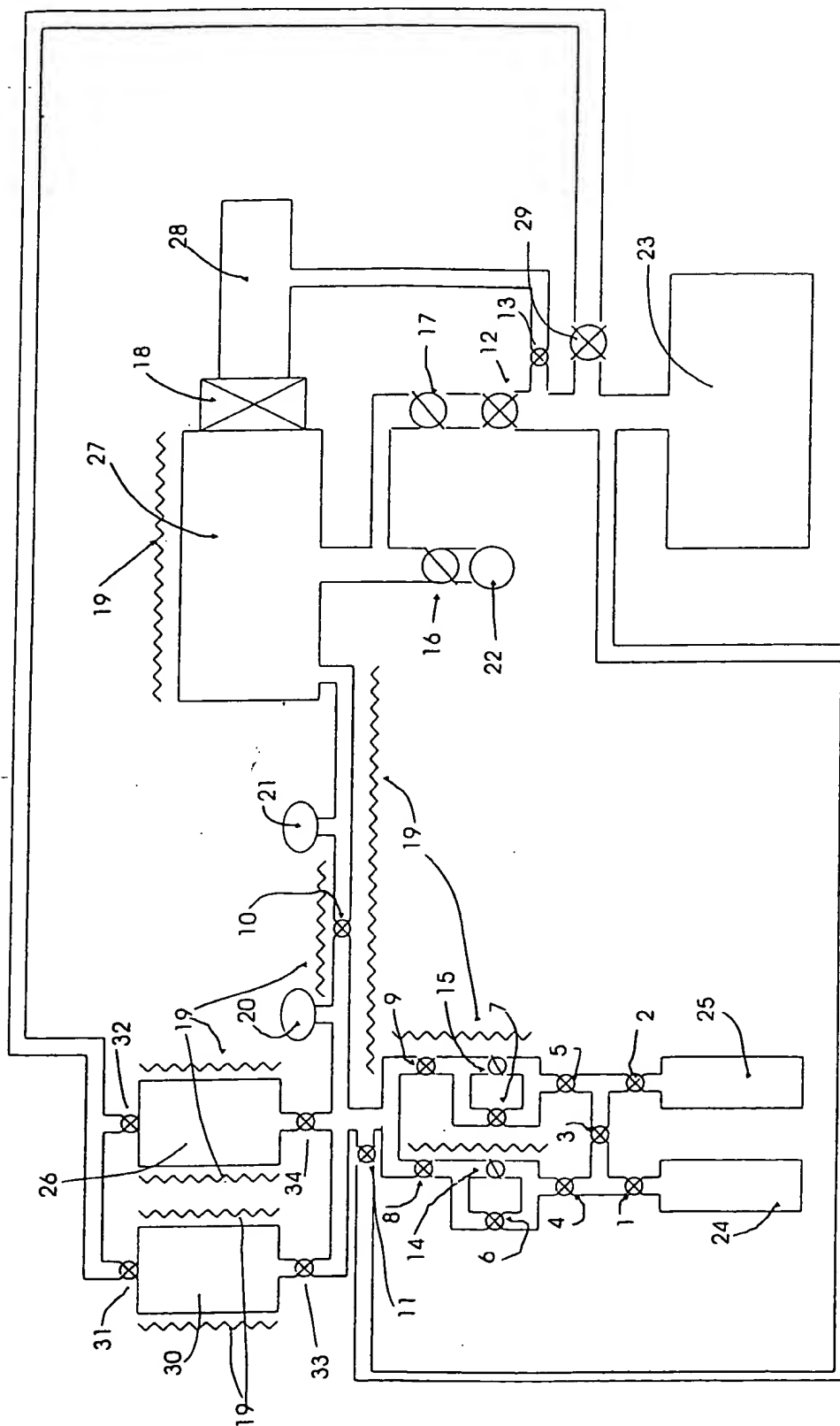


Fig. 5

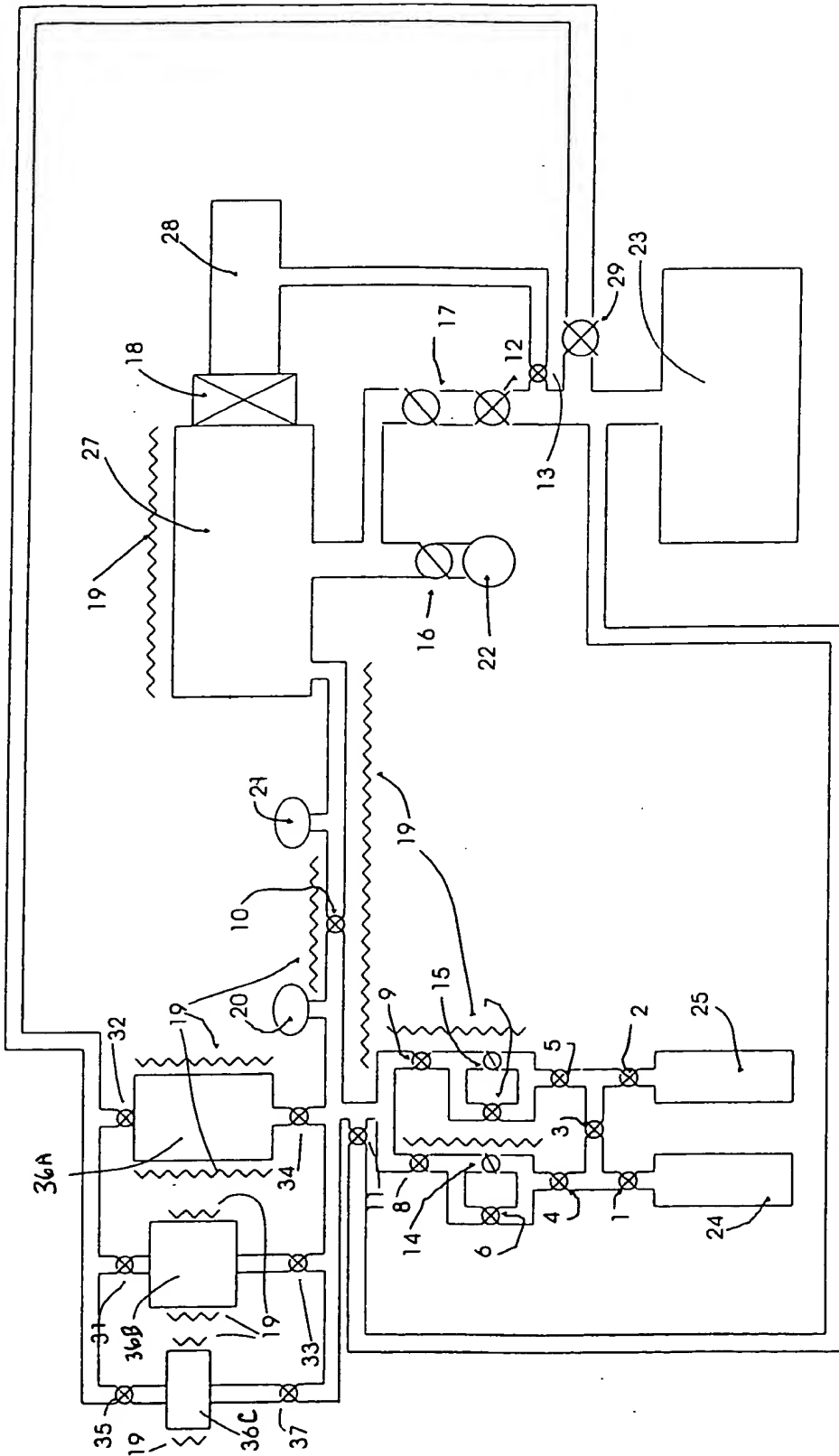


Fig. 6

spec 3

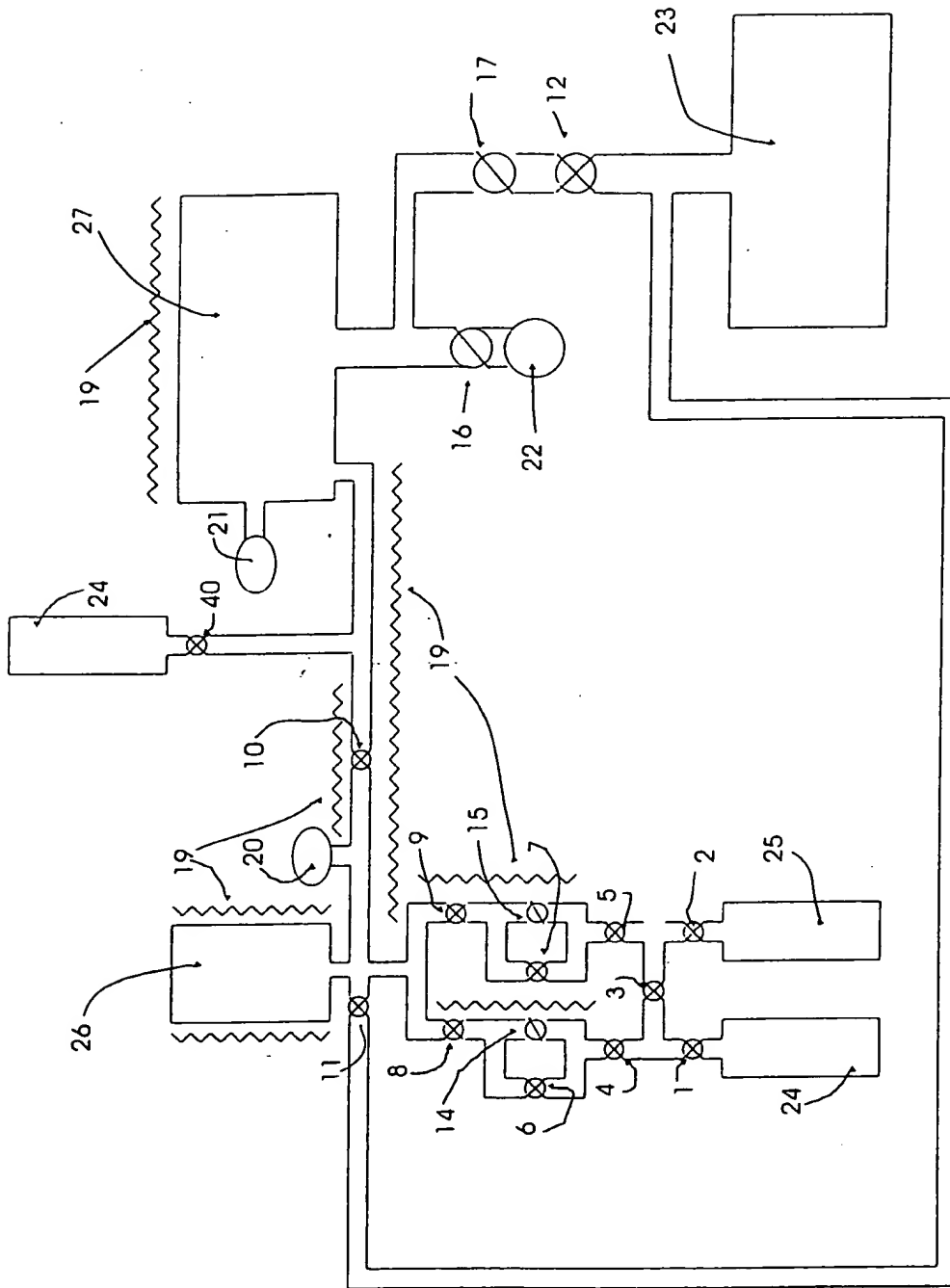


Fig. 7

FIG. 7

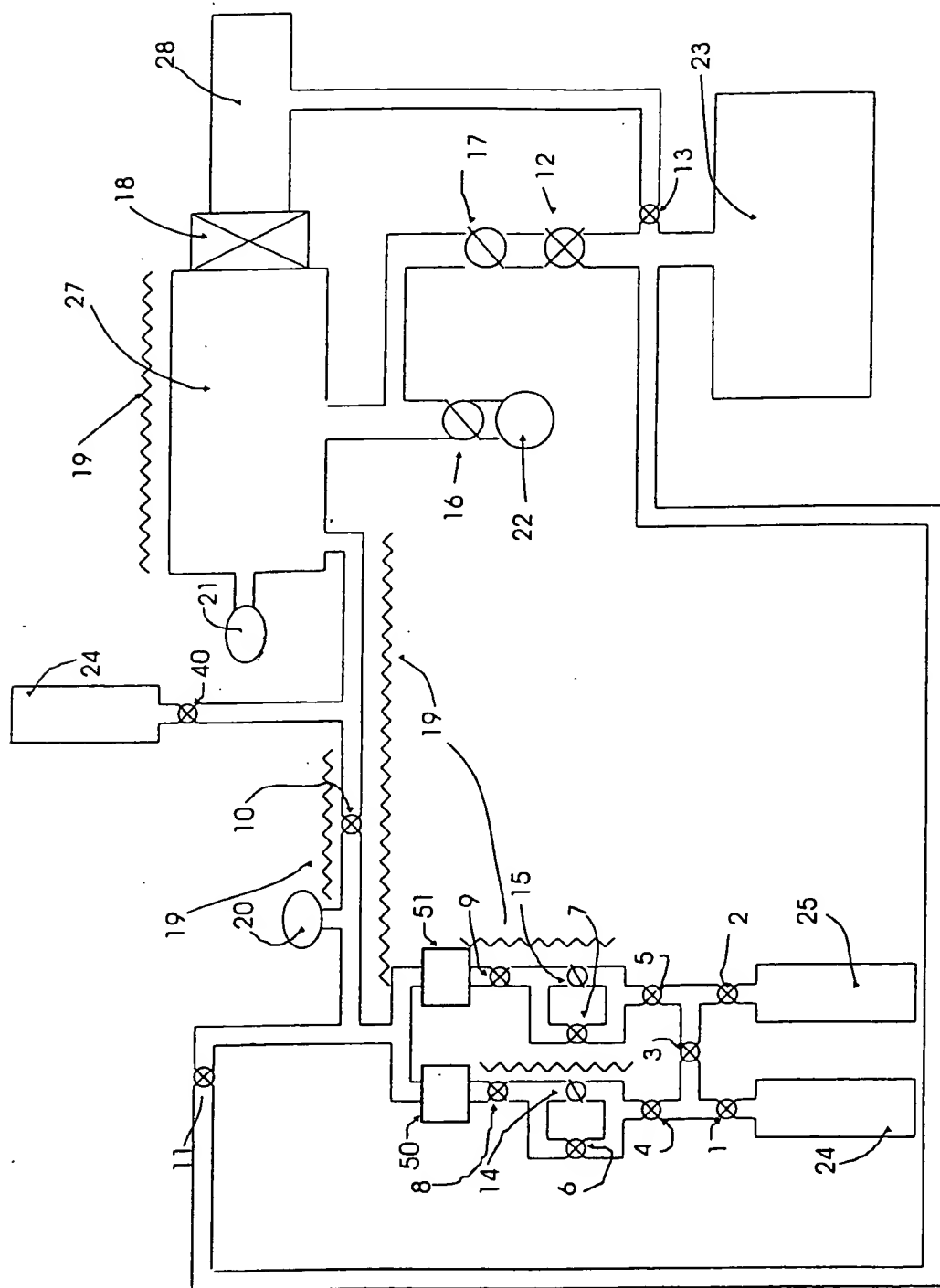
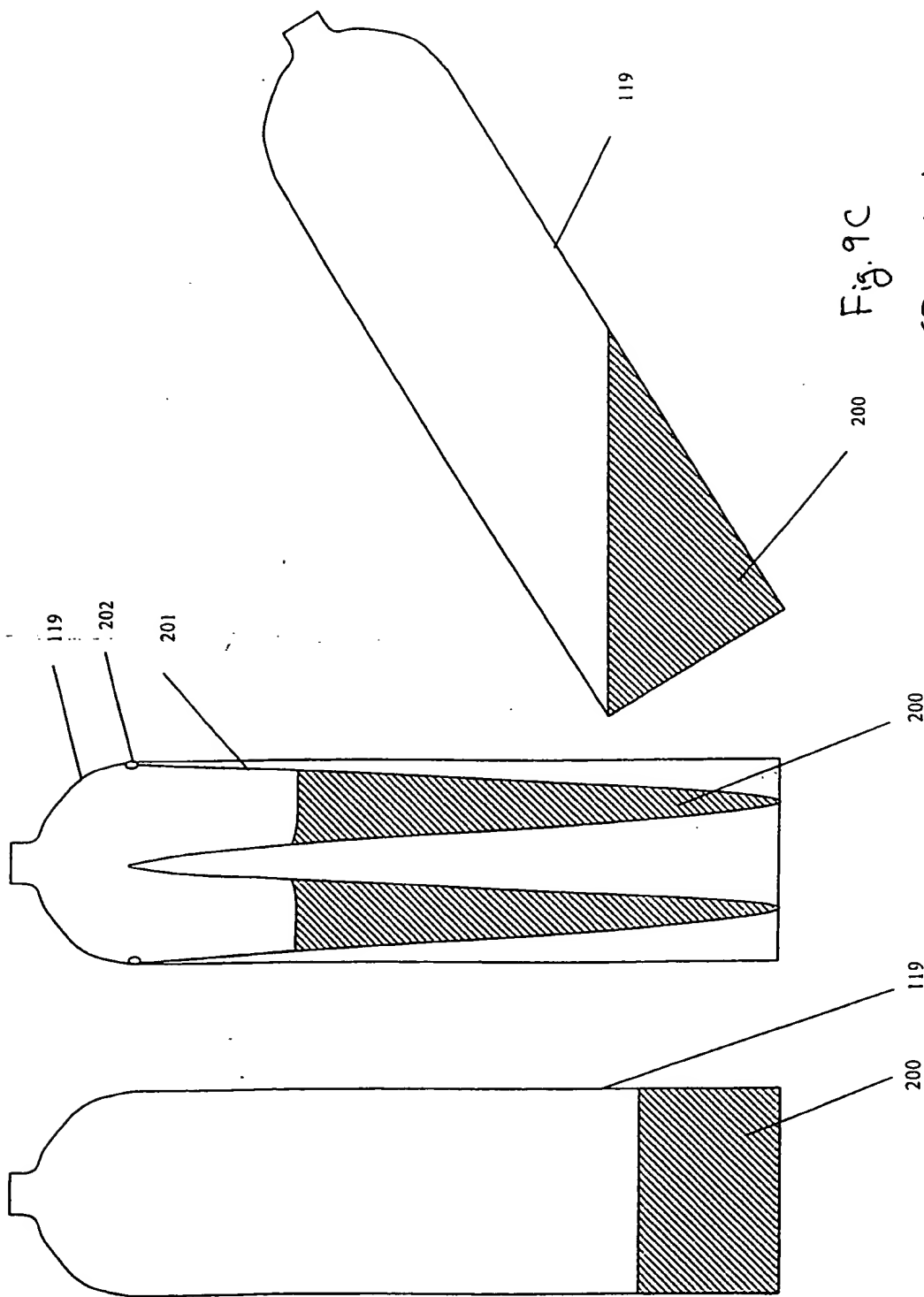


Fig. 8

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expansion chamber

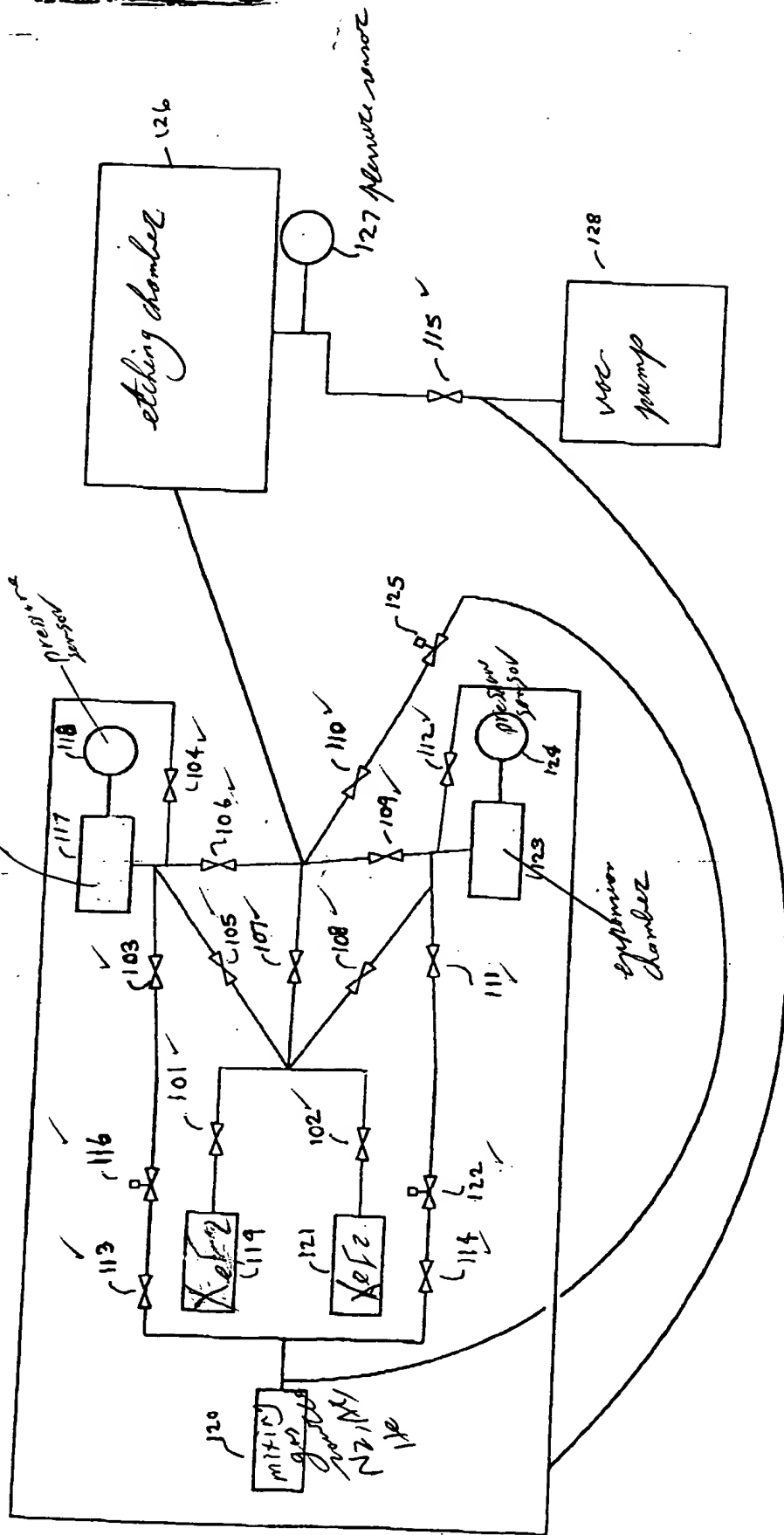


Fig. 10

spec 6

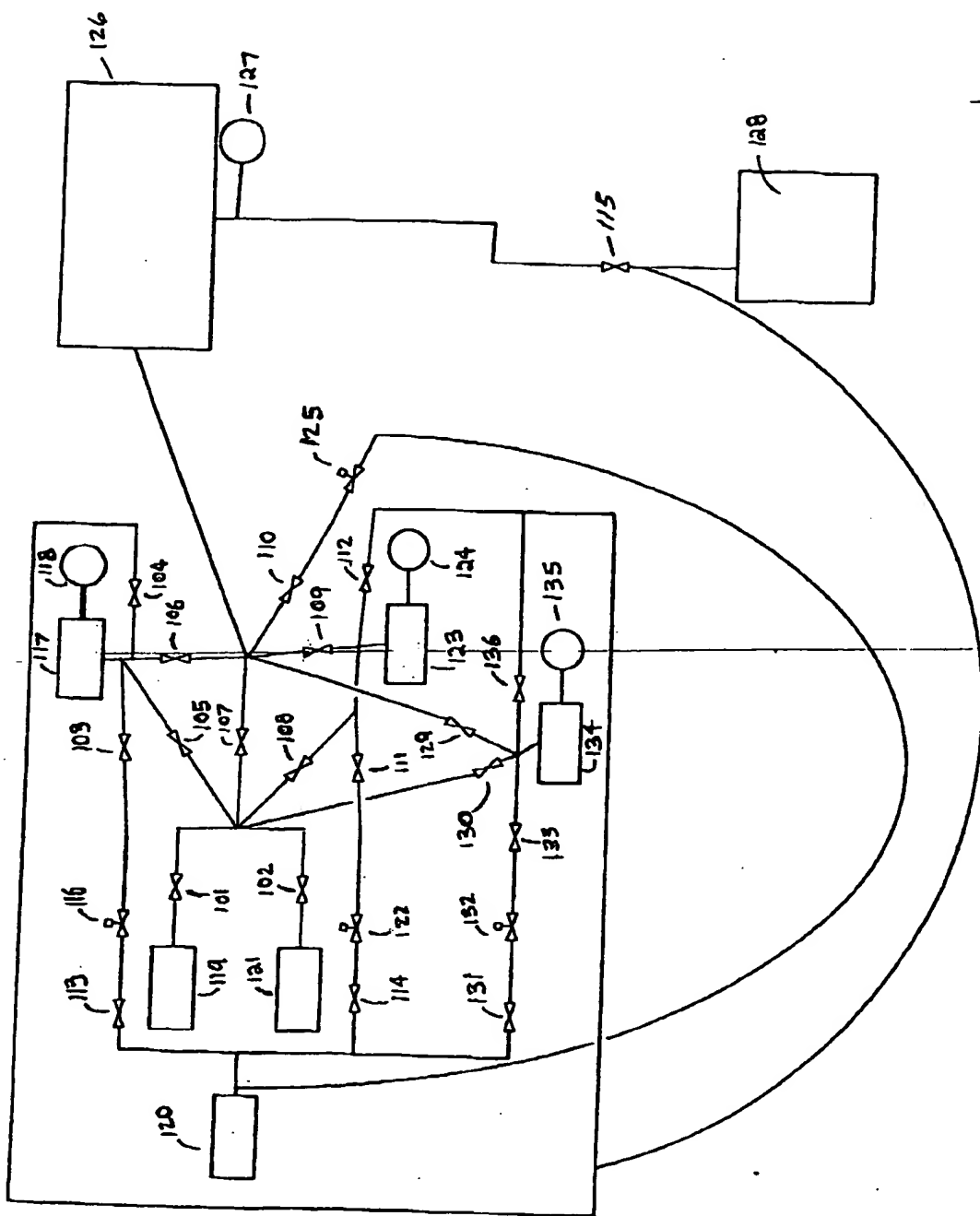


Fig. 11

FIG. 12

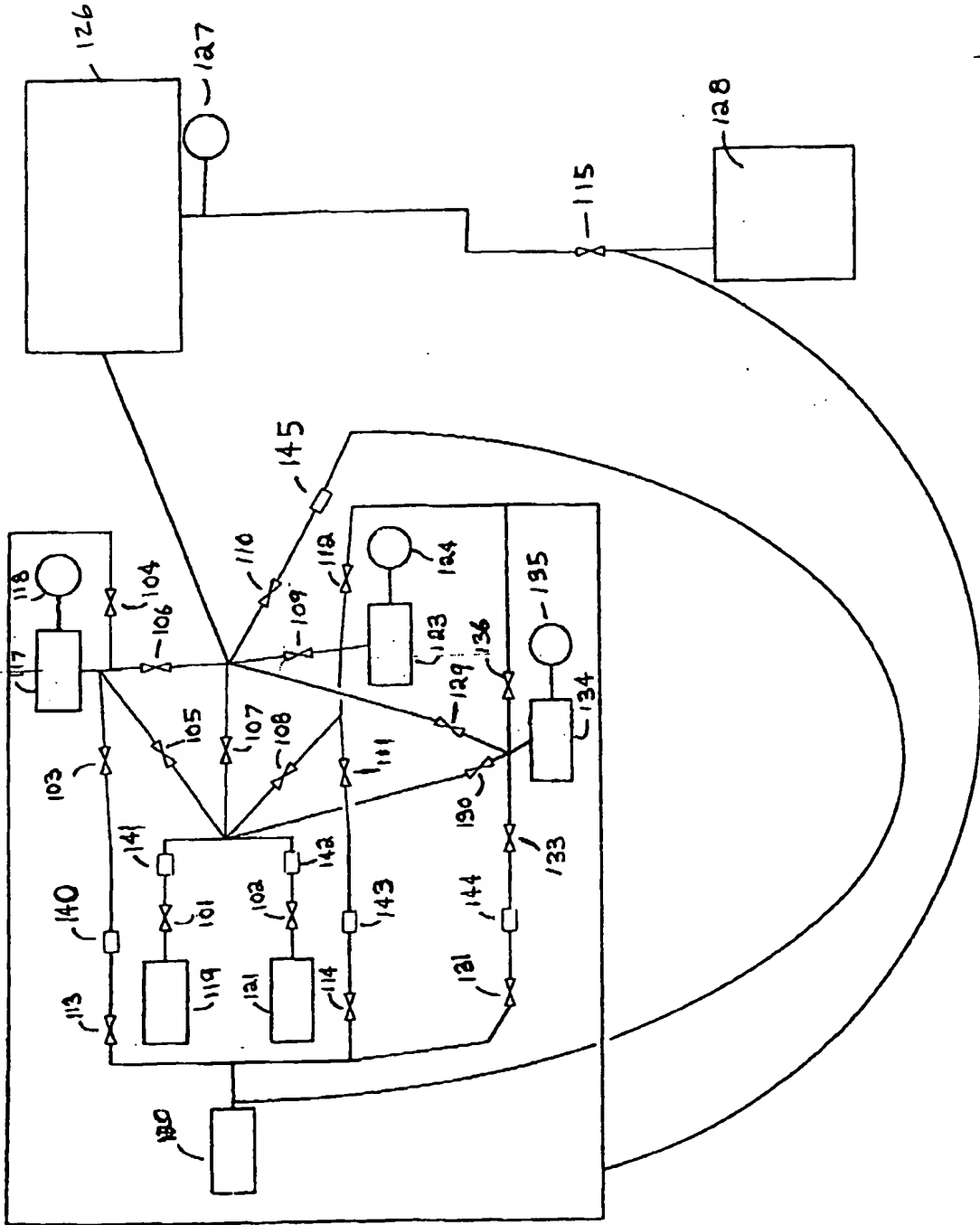


Fig. 12

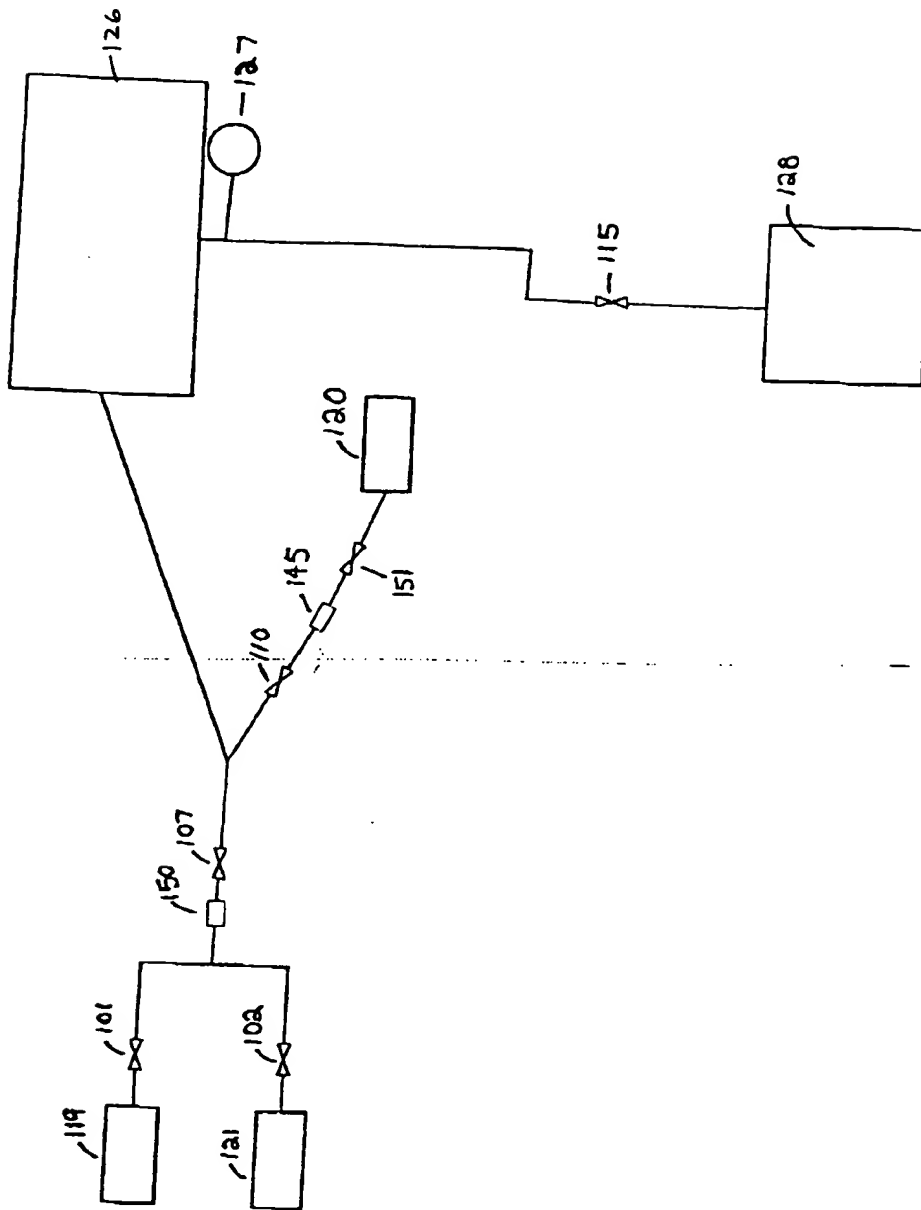


Fig. 13